

CLAIMS

1. An in-floor fitting, comprising:
 - an insert adapted to be installed in a floor opening, said insert supporting a chamber in which an electrical receptacle is disposed, said electrical receptacle being adapted to be activated within the in-floor fitting by source power cables;
 - a cover assembly connected to said insert and adapted to align with and overlay the floor opening, said cover assembly comprising:
 - a trim flange secured to said insert, said trim flange having a central opening that overlies said chamber;
 - a cover plate positioned within said central opening of said trim flange, said cover plate having an access door movable between an open position and a closed position, said access door allowing access to said electrical receptacle when said access door is in said open position;
 - a first seal that contacts said access door when said access door is in said closed position, said first seal constructed to prevent moisture infiltration through said access door into the fitting when said access door is in said closed position; and
 - a second seal adapted to be compressed directly between said trim flange and a floor surface, said second seal being adapted to seal against water infiltration between said electrical receptacle and said floor surface and into the in-floor fitting.
2. The in-floor fitting of claim 1, wherein said access door is slidable between said open position and said closed position.
3. The in-floor fitting of claim 1, wherein said insert further comprises upwardly extending legs having reciprocal openings adapted to receive and retain fasteners, said trim flange being secured to said legs through fasteners that extend through said trim flange and into said reciprocal openings.

4. The in-floor fitting of claim 1, wherein said second seal comprises at least one gasket extending around the perimeter of the floor opening and being adapted to be compressed into the floor surface.

5. The in-floor fitting of claim 1, further comprising at least one more electrical receptacle and at least one more access door.

6. The in-floor fitting of claim 1, wherein said electrical receptacle comprises at least one power receptacle.

7. The in-floor fitting of claim 1, wherein said electrical receptacle comprises at least one communication/data receptacle.

8. The in-floor fitting of claim 4, wherein said first seal is a planar seal and said second seal is an annular gasket.

9. A cover assembly for use with a fitting that is adapted to be mounted into a floor through a floor opening and support an electrical receptacle such that the electrical receptacle is accessible from above the surface of the floor, said cover assembly comprising:

a trim flange having a central opening that overlies the floor opening;

a cover plate formed to mate with said trim flange at a location that overlies the central opening, said cover plate having an access door movable between an open position and a closed position, said access door allowing access to said electrical receptacle when said access door is in said open position;

a first seal that cooperates with said access door when said access door is in said closed position, said first seal being constructed to prevent moisture infiltration through said access door into the fitting when said access door is in said closed position; and

a second seal adapted to be compressed directly between said trim flange and the surface of the floor, said second seal being adapted to seal against water

infiltration between the electrical receptacle and the surface of the floor and into the fitting.

10. The cover assembly of claim 9, wherein said access door is slidable between said open position and said closed position.

11. The cover assembly of claim 9, wherein said second seal comprises at least one gasket extending around the perimeter of the floor opening and being adapted to be compressed into the surface of the floor.

12. The cover assembly of claim 9, further comprising at least one more electrical receptacle and at least one more access door.

13. The cover assembly of claim 9, wherein said first seal is a planar seal and said second seal is an annular gasket.

14. A cover assembly for use with a fitting that is adapted to be mounted in a floor and support an electrical receptacle such that the electrical receptacle can be accessed from above the floor, the cover assembly comprising:

a cover plate positioned over the fitting and overlying the electrical receptacle, said cover plate having an access door movable between a first position at which said access door overlies the electrical receptacle to prevent access thereto and a second position at which the electrical receptacle is exposed and accessible through said cover plate;

a first seal that cooperates with said access door when said access door is in said first position, said first seal being constructed to prevent moisture infiltration through said access door into the fitting when said access door is in said first position; and

a second seal adapted to be compressed directly between the cover assembly and a surface of the floor, said second seal being adapted to seal against water infiltration between the electrical receptacle and the surface of the floor.

15. The cover assembly of claim 14, wherein said access door is slidable between said first position and said second position.

16. The cover assembly of claim 14, wherein said second seal comprises at least one gasket extending around the perimeter of an opening in the floor and being adapted to be compressed into an upper surface of the floor.

17. The cover assembly of claim 14, further comprising at least one more electrical receptacle and at least one more access door.

18. The cover assembly of claim 14, wherein the electrical receptacle comprises at least one power receptacle.

19. The cover assembly of claim 14, wherein the electrical receptacle comprises at least one communication/data receptacle.

20. A circular cover assembly for use with a poke-thru fitting that is adapted to be mounted in a circular opening in a floor and support an electrical receptacle such that the electrical receptacle can be accessed from above the floor, the cover assembly comprising:

an annular trim flange having a central opening that overlies the circular opening;

a circular cover plate formed to mate with said annular trim flange at a location that overlies said central opening, said circular cover plate having an access door movably connected to the cover plate, said access door being configured to move between a first position at which said access door overlies the electrical receptacle to prevent access thereto and a second position at which the electrical receptacle is exposed and accessible through said cover plate;

a first seal that contacts said access door when said access door is in said first position, said first seal being constructed to prevent moisture infiltration through said access door into the fitting when said access door is in said first position; and

a second seal adapted to be compressed directly between the annular trim flange and a surface of the floor, said second seal being adapted to seal against water infiltration between the electrical receptacle and the surface of the floor.

21. The cover assembly of claim 20, wherein said access door being configured to slide between said open position and said closed position.

22. The cover assembly of claim 20, further comprising at least one more electrical receptacle and at least one more access door.

23. The cover assembly of claim 20, wherein the electrical receptacle comprises at least one power receptacle.

24. The cover assembly of claim 20, wherein the electrical receptacle comprises at least one communication/data receptacle.